

# **Product datasheet for RG228103**

## MOSMO (NM 001164579) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** MOSMO (NM\_001164579) Human Tagged ORF Clone

Tag: TurboGFP Symbol: MOSMO

Synonyms: ATTHOG; BC030336; C16orf52

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG228103 representing NM\_001164579
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

GTTTACCAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG228103 representing NM\_001164579

Red=Cloning site Green=Tags(s)

MDKLTIISGCLFLAADIFAIASIANPDWINTGESAGALTVGLVRQCQTIHGRDRTCIPPRLPPEWVTTLFFIIMGIISLTVTCGLLVASHWRREATKYARWIAFTGMILFCMAALIFPIGFYINEVGGQPYKLPNNTVVG

SSYVLFVLSIFFTIVGLLFAGKVCLPG

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



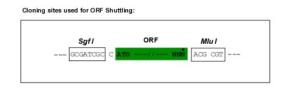
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

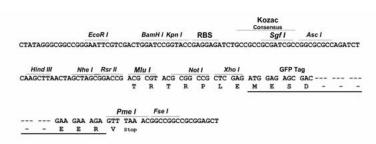
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

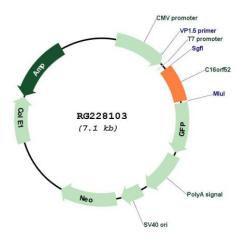


#### **Cloning Scheme:**





#### Plasmid Map:



**ACCN:** NM\_001164579

ORF Size: 501 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.



### MOSMO (NM\_001164579) Human Tagged ORF Clone - RG228103

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

**RefSeq:** <u>NM 001164579.2</u>

 RefSeq Size:
 4445 bp

 RefSeq ORF:
 504 bp

 Locus ID:
 730094

 UniProt ID:
 Q8NHV5

 Cytogenetics:
 16p12.2

**Gene Summary:** Acts as a negative regulator of hedgehog signaling probably by promoting internalization and

subsequent degradation of smoothened protein (SMO) present in the ciliary membrane. Plays

a role in sonic hedgehog (SHH)-induced spinal neural progenitor cells differentiation.

[UniProtKB/Swiss-Prot Function]